

MONTANA STATE DEPARTMENT OF FISH AND GAME
FEDERAL AID IN FISH RESTORATION SECTION
HELENA, MONTANA

Job Completion Report
Investigations Projects

State of Montana

Project No. F-5-R-6

Name Central Fisheries Study

Job No. I

Title Inventory of Waters of the Project

Period Covered May 1, 1956 - April 30, 1957

Area

Abstract:

Six lakes and four streams were surveyed for physical, chemical and biological characteristics. All data have been recorded on lake and stream survey cards. Data collected were used as a basis for rehabilitation work to furnish information for changing planting programs, fishing regulations and for better utilization of fish.

Objectives:

The purpose of this project is to determine the physical, chemical and biological characteristics of the waters of highest importance to the total recreational fisheries picture of the project area, and where practicable potential fisherman use.

Techniques Used:

Samples of fish were collected in lakes and ponds by use of experimental gill nets.

A 110-220 volt motor generator shocker was used to sample three hundred foot sections of streams.

Aerial photographs were taken and used as maps in the survey work.

Findings:

Tunnel Lake in Teton County has in the past provided a trout fishery and has been regularly planted with trout by the Montana Fish and Game Department. Perch were introduced into this lake and were found to predominate in the fish population as evidenced by catches made in experimental gill nets during July 1956. Nearly all the perch occupying the lake were too small to provide a desirable fishery.

A physical survey of the lake was made by sounding preparatory to proposed rehabilitation. The lake was found to have a surface area of approximately twenty-five acres and a maximum depth of approximately twenty-five feet.

Following the survey work, an access agreement was made with the shoreline owner, and the lake was treated with toxicant during September 1956.

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JOB COMPLETION REPORT
INVESTIGATIONS PROJECTS

State of Montana

Name: Central Montana Fisheries
Study

Project No. F-5-R-6

Title: Investigation of the Effects
of Forest Spraying Operations
on Populations of Fish and
Other Aquatic Organisms

Job No. II

Period Covered June 1, 1956 to April 30, 1957

Abstract:

All work on this job is included in the Job Completion Report for F-21-R-1
Job I.

Prepared by Nels A. Thoreson
June 1957

Approved by George D. Holton
George D. Holton
Assistant Coordinator